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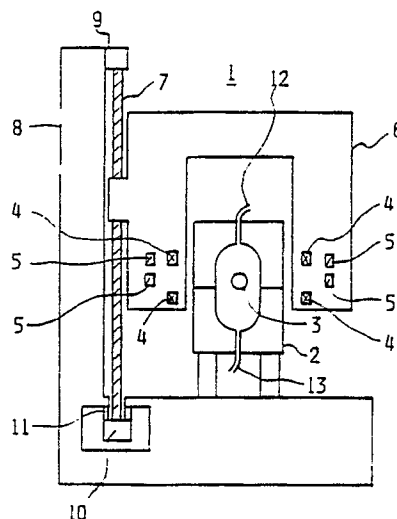
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(54) **Reaction vessel.**

(57) A reaction vessel comprises a reaction chamber (2) composed of non-magnetic material, a sample carrier (3) disposed in the reaction chamber and comprised of a core (18) of magnetic material, electro-magnets (4) disposed outside the reaction chamber (2) for generating magnetic force to cause the sample carrier to float in the reaction chamber, a supporting device (6) for supporting the electro-magnets and sensors (5) for detecting the position of the sample carrier, and control circuitry for controlling the electro-magnets in dependence upon the position sensed by the sensors to adjust the position of the sample carrier.

FIG. 1



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FIG. 1

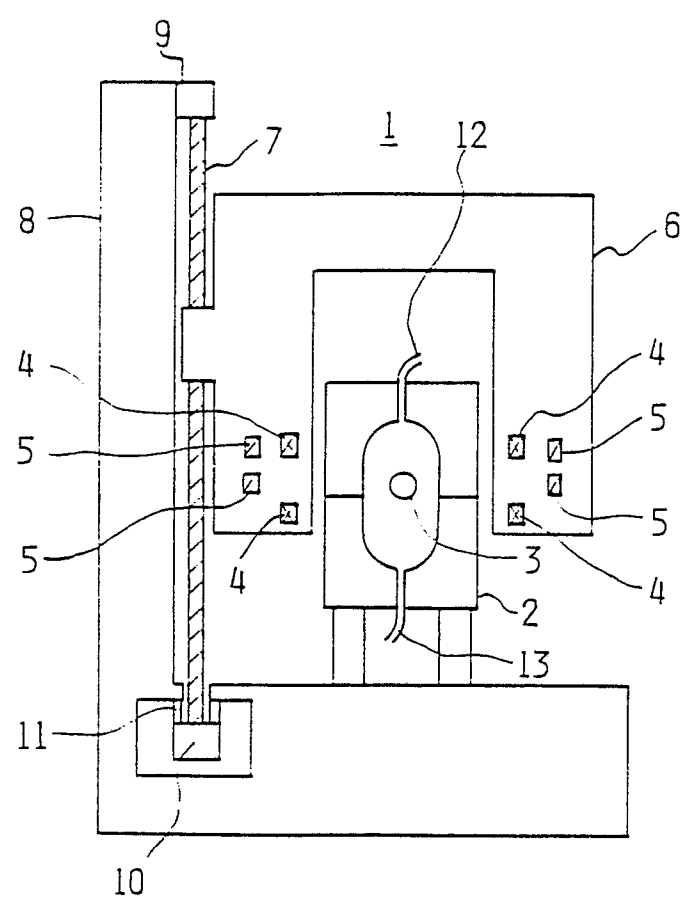


FIG. 3

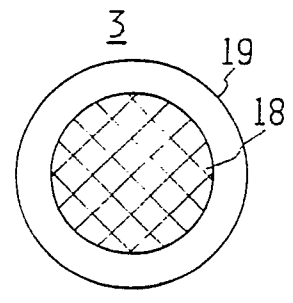
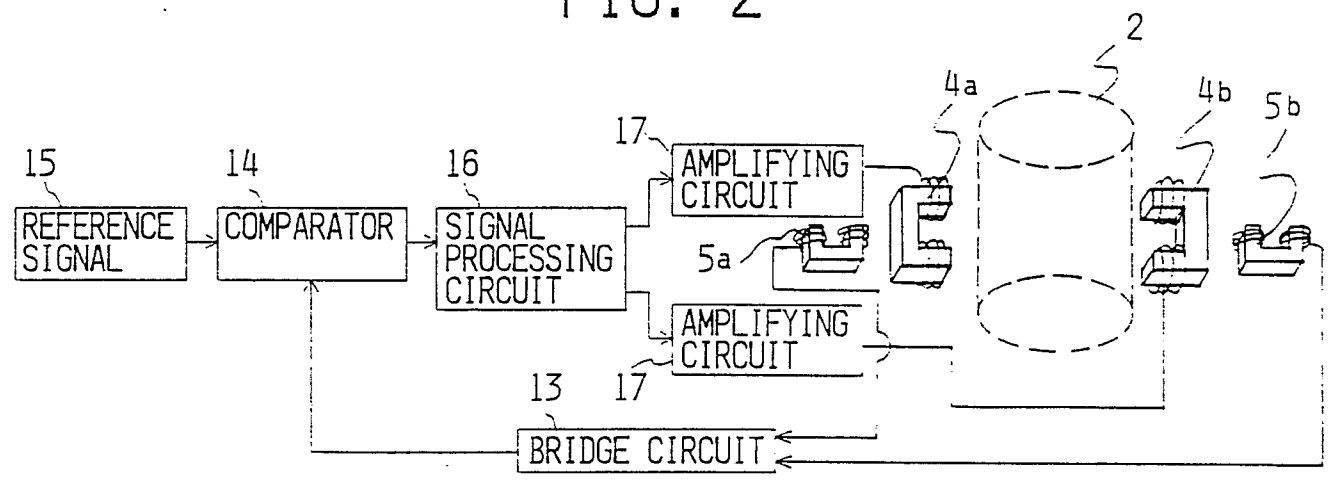


FIG. 2





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EUROPEAN SEARCH REPORT

Application Number

EP 89 31 2749

DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int. Cl.5)
A	EP-A-0 240 770 (E.I. DU PONT DE NEMOURS) * Abstract; page 1, lines 6-9; claims 1,2 *	1,2,4,7	B 01 J 19/00 G 01 N 33/48

A	EP-A-0 144 437 (H. HIRATA et al.) * Abstract; page 1, lines 4-16; page 2, lines 44-55; page 3, lines 80,81; page 4, line 21 - page 5, line 170; figures 1,2 *	1,5	

			TECHNICAL FIELDS SEARCHED (Int. Cl.5)
			B 01 J C 07 H C 07 K
The present search report has been drawn up for all claims			
Place of search	Date of completion of the search	Examiner	
THE HAGUE	20-06-1990	SIEM T.D.	
CATEGORY OF CITED DOCUMENTS			
X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document		T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document	